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(71) Applicant:

(72) Inventor :

MITSUI CHEMICALS INC.

NAKATSUKA MASAKATSU KITAMOTO NORIKO

(54) BENZO[k]FLUORANTHENE DERIVATIVE

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain the subject new compound useful as an organic electronic device material.

SOLUTION: This new compound is shown by formula I [X1 and X2 are each H, a halogen, alkyl, alkoxy or (substituted) aryl, being not H at the same time], e.g. 7, 12-di(3'-methylphenyl)benzo[k]fluoranthene. The compound of formula I is obtained, for example, by reaction between a cyclopenta [a] acenaphthylen-8-one derivative and benzyne of formula III followed by conducting a carbon monoxide elimination from the reaction product: wherein the above reaction is normally carried out while allowing isosamyl nitrite or the like to act on an anthranilic acid derivative as the precursor of a benzyne derivative in the presence of an appropriate

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